

UST Inspection Checklist

PART I. OWNER/OPERATOR INFORMATION

1. Facility Name: Federated Co-op Conv. Store 8. Date of Visit: 10/30/13 7. Marketer: X Non-Marketer: 12:00-12:30
 2. Owner: Federated Coop 8. Site Arrival/Departure (Time): 10:30 11:20
 3. Operator: _____ 9. Facility Address: 925 South Hwy 475
 5. Contact Person: Carol Westling Isle, MN
 6. UST Site Phone #: 320-676-3865 10. Team Members: Scott Hansen 56342

PART II. UST SITE INFORMATION

Carol Westling

1. Tank #: ① ② ③ ④ ⑤ 6 7
 2. Tank Type: STIP₃
 3. Piping Type: Wrapped Steel
 4. Size of Tank: 12K 10K 6K 10K 4K
 5. Tank Contents: Rogul midul Prenu Dural Dural
 6. Install Date: 4/9/90
 7. TTT Date: _____
 8. LTT Date: _____
 9. LD (Tank): ATG (Gilbarco 350) EMC
 10. LD (Pipe): ATG " "
 11. Closure Date: Function Test - 1,2,3,4,5 PASS Conducted 8/07/13
 Perm Temp Perm Temp Perm Temp Perm Temp Perm Temp Perm Temp Perm Temp
 12. Spill: Yes No Yes No Yes No Yes No Yes No Yes No Yes No Yes No
 13. Overfill: Yes No Yes No Yes No Yes No Yes No Yes No Yes No Yes No
 Type: ROUTINE ANNUAL TEST - 8-7-2013
 14. CP (Tank): Yes X No Yes X No Yes X No Yes X No Yes X No Yes No Yes No
 Date: 8/7/2013 Pass (see attached)
 Type: Impressed Current
 15. CP (Piping): Yes No Yes No Yes No Yes No Yes No Yes No Yes No Yes No
 Date: 8/7/2013 Pass
 Type: Impressed Current
 16. CP Monitoring: [For all cathodic protection systems (Galvanic Anodes and Impressed Current Systems)]
 6 Mo./3 Yrs: Yes No Yes No Yes No Yes No Yes No Yes No Yes No Yes No
 Note: Monitoring conducted within six month of installation and three years after initial monitoring. [280.31(b)(1)]
 Six Months: Yes No Yes No Yes No Yes No Yes No Yes No Yes No Yes No
 Note: Monitoring conducted within six month of any repairs to UST system. [280.33(e)]
 Records: Yes No Yes No Yes No Yes No Yes No Yes No Yes No Yes No
 Note: Records on file of last two monitoring results. [280.31(d)(2)]
 17. CP Monitoring: [For Impressed Current Systems Only]
 60 Day Insp.: Yes No Yes No Yes No Yes No Yes No Yes No Yes No Yes No
 Note: System is inspected ever 60 days, involves reading and recording systems voltage and amperage. [280.31(c)]
 Records: Yes No Yes No Yes No Yes No Yes No Yes No Yes No Yes No
 Note: Records on file of last three voltage and amperage readings. [280.33(d)(1)]

UST Inspection Checklist

PART III. RECOMMENDATION(S) & NARRATIVE COMMENTS

1. Further action is recommend/necessary: Yes ___ No X

Notes: _____

2. Facility to provide info. on compliance: Yes ___ No X

Notes: _____

3. Follow-up inspection recommended: Yes ___ No X

Notes: _____

[If Yes, state reason(s) why.]

4. Information Request Letter (IRL): Yes ___ No X Date: _____

Notes: _____

[If Yes, A Full Narrative Report is required along with this checklist]

5. Notice of Violation (NOV): Yes ___ No X Date: _____

Notes: _____

[If Yes, A Full Narrative Report is required along with this checklist]

6. Field Citation (FC): Yes ___ No ___ Date: _____

Notes: _____

[If Yes, A Full Narrative Report is required along with this checklist]

7. Administrative Order (AO): Yes ___ No ___ Date: _____

Notes: _____

[If Yes, A Full Narrative Report is required along with this checklist]

8. Refer to State: Yes ___ No ___ Date: _____

Notes: _____

[If Yes, A Full Narrative Report may be required along with this checklist]

9. Financial Responsibility (FR): Yes X No ___ Expiration Date: _____

10. Inspector's Remarks: Worked with Carol to show her how to get monthly .2 gph line tests vs annual .1 gph line test - informed Carol unleaded premium spill bucket on top had crack (need to replace) a little prod. < 1/2" in 2 spill buckets (diesel #1 & #2) and u bolts

11. Additional Remarks/Comments: Tank Tightness on Oshorn valve need to be tightened CSLD

Sept 30 2012 _____

\$ 1 2 3 4 5

Oct 31 2012 Pass _____

Nov 30 2012 Pass _____

Dec 31 2012 Pass _____

Jan 31 Pass _____

Feb 28 Pass _____

March 31 Pass _____

Apr 30 Pass _____

May 26 Pass _____

June 1 Pass _____

Jul 31 Pass _____

Aug 31 Pass _____

Sept 30 Pass _____

Oct 29 Pass _____

Scott Hansen

Inspector Signature

Oct 30, 2013

Date

ISLE FEDERATED COOP
925 HWY.47 SO.
ISLE.MN.56342
320-676-3103

OCT 30. 2013 11:21

WPLLD LINE LEAK
TEST RESULTS

W 1:UNLEADED

3.0 GAL/HR RESULTS:

LAST TEST:

OCT 30. 2013 11:15 PASS

NUMBER OF TESTS PASSED
PREV 24 HOURS : 70
SINCE MIDNIGHT : 27

0.20 GAL/HR RESULTS:

OCT 30. 2013 0:39 PASS
OCT 25. 2013 6:01 PASS
OCT 21. 2013 23:26 PASS
OCT 17. 2013 1:40 PASS
OCT 12. 2013 0:08 PASS
OCT 9. 2013 5:30 PASS
OCT 3. 2013 22:19 PASS
SEP 29. 2013 22:08 PASS
SEP 25. 2013 22:00 PASS
SEP 23. 2013 4:25 PASS

0.10 GAL/HR RESULTS:

JUL 27. 2013 3:39 PASS
JAN 24. 2013 4:39 PASS
JUL 18. 2012 21:41 PASS
JAN 17. 2012 2:12 PASS
JUL 13. 2011 0:32 PASS
JAN 10. 2011 2:06 PASS
JUL 8. 2010 2:17 PASS
JAN 5. 2010 2:21 PASS
JUN 30. 2009 23:18 PASS
DEC 28. 2008 4:03 PASS

ISLE FEDERATED COOP
925 HWY.47 SO.
ISLE.MN.56342
320-676-3103

OCT 30. 2013 11:22

WPLLD LINE LEAK
TEST RESULTS

W 2:PREMIUM UNLEADED

3.0 GAL/HR RESULTS:

LAST TEST:

OCT 30. 2013 11:17 PASS

NUMBER OF TESTS PASSED
PREV 24 HOURS : 2
SINCE MIDNIGHT : 2

0.20 GAL/HR RESULTS:

OCT 25. 2013 13:00 PASS
OCT 21. 2013 11:44 PASS
OCT 17. 2013 13:06 PASS
OCT 11. 2013 14:11 PASS
OCT 7. 2013 15:03 PASS
OCT 3. 2013 14:35 PASS
SEP 29. 2013 21:51 PASS
SEP 25. 2013 10:46 PASS
SEP 21. 2013 9:19 PASS
SEP 15. 2013 15:23 PASS

0.10 GAL/HR RESULTS:

JUN 27. 2013 21:48 PASS
DEC 25. 2012 17:50 PASS
JUN 24. 2012 22:05 PASS
DEC 23. 2011 15:43 PASS
JUN 22. 2011 12:10 PASS
DEC 20. 2010 8:50 PASS
JUN 17. 2010 20:27 PASS
DEC 13. 2009 19:14 PASS
JUN 12. 2009 10:29 PASS
DEC 10. 2008 16:37 PASS

ISLE FEDERATED COOP
925 HWY.47 SO.
ISLE.MN.56342
320-676-3103

OCT 30. 2013 11:22

WPLLD LINE LEAK
TEST RESULTS

W 3:SUPER UNLEADED

3.0 GAL/HR RESULTS:

LAST TEST:

OCT 30. 2013 9:00 PASS

NUMBER OF TESTS PASSED
PREV 24 HOURS : 5
SINCE MIDNIGHT : 1

0.20 GAL/HR RESULTS:

OCT 29. 2013 18:16 PASS
OCT 25. 2013 15:42 PASS
OCT 21. 2013 14:19 PASS
OCT 17. 2013 19:35 PASS
OCT 13. 2013 15:47 PASS
OCT 9. 2013 18:58 PASS
OCT 5. 2013 12:00 PASS
OCT 1. 2013 15:01 PASS
SEP 27. 2013 16:35 PASS
SEP 23. 2013 11:17 PASS

0.10 GAL/HR RESULTS:

MAY 28. 2013 12:08 PASS
NOV 25. 2012 14:28 PASS
MAY 23. 2012 16:20 PASS
NOV 21. 2011 19:05 PASS
MAY 22. 2011 0:50 PASS
NOV 20. 2010 8:57 PASS
MAY 18. 2010 13:23 PASS
NOV 15. 2009 13:38 PASS
MAY 15. 2009 6:45 PASS
NOV 10. 2008 23:39 PASS

ISLE FEDERATED COOP
925 HWY.47 SO.
ISLE.MN.56342
320-676-3103

OCT 30, 2013 11:22

WPLLD LINE LEAK
TEST RESULTS

W 4:DIESEL NO.2

3.0 GAL/HR RESULTS:

LAST TEST:
OCT 30, 2013 10:27 PASS

NUMBER OF TESTS PASSED
PREV 24 HOURS : 9
SINCE MIDNIGHT : 3

0.20 GAL/HR RESULTS:

OCT 29, 2013 18:59 PASS
OCT 25, 2013 10:43 PASS
OCT 21, 2013 21:37 PASS
OCT 17, 2013 17:22 PASS
OCT 13, 2013 20:50 PASS
OCT 9, 2013 12:20 PASS
OCT 5, 2013 11:03 PASS
OCT 1, 2013 9:51 PASS
SEP 27, 2013 11:51 PASS
SEP 23, 2013 8:32 PASS

0.10 GAL/HR RESULTS:

JUL 21, 2013 21:12 PASS
JAN 18, 2013 17:54 PASS
JUL 18, 2012 17:49 PASS
JAN 14, 2012 19:52 PASS
JUL 15, 2011 0:51 PASS
JAN 11, 2011 21:27 PASS
JUL 11, 2010 11:59 PASS
JAN 6, 2010 19:20 PASS
JUL 4, 2009 14:38 PASS
JAN 1, 2009 16:38 PASS

ISLE FEDERATED COOP
925 HWY.47 SO.
ISLE.MN.56342
320-676-3103

OCT 30, 2013 11:21

WPLLD LINE LEAK
TEST RESULTS

W 5:PREMIUM DIESEL

3.0 GAL/HR RESULTS:

LAST TEST:
OCT 29, 2013 14:45 PASS

NUMBER OF TESTS PASSED
PREV 24 HOURS : 2
SINCE MIDNIGHT : 0

0.20 GAL/HR RESULTS:

OCT 29, 2013 16:51 PASS
OCT 25, 2013 13:23 PASS
OCT 19, 2013 13:13 PASS
OCT 13, 2013 9:21 PASS
OCT 7, 2013 21:06 PASS
OCT 3, 2013 10:41 PASS
SEP 27, 2013 19:18 PASS
SEP 23, 2013 20:11 PASS
SEP 19, 2013 18:46 PASS
SEP 15, 2013 13:31 PASS

0.10 GAL/HR RESULTS:

SEP 13, 2013 23:04 PASS
MAR 11, 2013 15:08 PASS
SEP 8, 2012 9:57 PASS
MAR 6, 2012 22:05 PASS
SEP 4, 2011 23:32 PASS
MAR 4, 2011 18:07 PASS
SEP 1, 2010 12:27 PASS
FEB 25, 2010 19:45 PASS
AUG 25, 2009 16:58 PASS
FEB 20, 2009 22:12 PASS

Minnesota Pollution
Control Agency

520 Lafayette Road North
St. Paul, MN 55155-4194

UST Cathodic Protection System Evaluation
Impressed Current Type
Underground Storage Tanks (UST) Program

Doc Type: Compliance Certification

Instructions: Within 30 days, send completed form to Joann Henry, Minnesota Pollution Control Agency (MPCA) at the address above, fax to 651-297-2343, or e-mail joann.henry@state.mn.us.

- All reports must be submitted regardless of results (pass, fail, or inconclusive)
- Incomplete, unsigned, or illegible forms will not be accepted and will be returned.

| | | | |
|--|--|--|--|
| 1. UST facility | | 2. UST owner/operator | |
| MPCA Site ID #: _____ | | Name: <u>Federated Coop Services</u> | |
| Name: <u>Federated Coop</u> | | Address: <u>502 S. 2nd St.</u> | |
| Address: <u>925 Hwy 47</u> | | City: <u>Princeton</u> State: <u>MN</u> | |
| City: <u>Isle</u> Zip code: <u>56342</u> | | Zip code: <u>55371</u> Phone: <u>763-287-0904</u> | |
| County: <u>Mille Lacs</u> Phone: <u>320-676-3103</u> | | Contact name (if different than above): _____ Contact phone: _____ | |

3. Cathodic Protection (CP) tester information and qualifications

| | | | |
|---|--|--|--|
| Tester name (print): <u>Jon Bendorf</u> | | Company name: <u>Minnesota Petroleum</u> | |
| Address: <u>682-39th Ave. NE</u> | | City: <u>Columbia Heights</u> | |
| State: <u>MN</u> Zip code: <u>55112</u> | | Phone: <u>763-780-5191</u> E-mail: <u>jbendorf@mnpetro.com</u> | |
| National Association of Corrosion Engineers (NACE) international certification #: _____ | | Steel Tank Institute (STI) certification #: <u>CP-91512</u> | |

4. Reason survey was conducted (check only one)

- ☒ Routine - Annual ☐ Routine - within 6 months of install ☐ 30-day re-survey after fail ☐ Re-survey within 6 months of repair/modification
- Date next CP survey must be conducted by (mm/dd/yyyy): 8/7/2014 (Required within 6 months of install or repair, and annually thereafter.)

5. CP tester's evaluation (check only one)

- ☒ **Pass** All protected structures at this facility pass the CP survey and the continuity survey indicates all protected structures are continuous. It is judged that adequate CP has been provided to the UST system (Complete sections 7 and 8).
- ☐ **Fail** One or more protected structures at this facility fail the CP survey, and it is judged that adequate CP has not been provided to the UST system. (Complete sections 7 and 8).
- ☐ **Inconclusive** Stray current may be affecting one or more of the protected structures, or the tester cannot conclusively determine a pass or failing test result based on irregular test results. (Corrosion Expert to complete section 6).

CP Tester Signature: _____

Date CP survey performed (mm/dd/yyyy): 8/7/2013

6. Corrosion expert's evaluation (if applicable)

The attached survey must be conducted and/or evaluated by a corrosion expert when: a) supplemental anodes or any repairs of the impressed current system are made; b) current output changes are made to the rectifier; c) the continuity survey indicates one or more of the protected structures are not continuous; d) stray current may be affecting protected structures; e) when required by MPCA (Corrosion Expert to complete sections 7 and 8).

- ☐ **Pass** All protected structures at this facility have been judged that the adequate CP is provided to the UST system.
- ☐ **Fail** One or more protected structures at this facility fail the CP survey and it is judged that adequate CP has not been provided to the UST system.

| | |
|--|-------------------------------------|
| Corrosion expert's name (print): _____ | Phone: _____ |
| Company name: _____ | |
| NACE Int./PE certification: _____ | NACE Int./PE certification #: _____ |
| CP Expert Signature _____ | Date (mm/dd/yyyy): _____ |

7. Criteria applicable to evaluation (check all that apply)

- ☒ **-850 Off** Structure-to-soil potential more negative than -850 mV with the protective current momentarily interrupted. ("Instant Off")
- ☒ **100 mV** Structure tested exhibits at least 100 mV of cathodic polarization. ("Instant Off" readings minus native /depol readings)

Facility name: Federated Coop

Date of test (mm/dd/yyyy): 8/7/2013

(Note: The facility name and date of test will automatically populate from page one, if filled out electronically.)

8. Action required as a result of this evaluation (check only one)

- ☒ **None** CP is adequate. No further action is necessary at this time. Test again by no later than (see section 4).
- ☐ **Retest** CP may not be adequate. Retest within 30 days to determine if passing results can be achieved. (Retests may occur only if all intended protected structures are continuous with each other)
- ☐ **Repair & Retest** CP is not adequate. Repair/modification is necessary within the next 60 days, or permanently close the tank system.

9. Impressed Current rectifier data

Rectifier manufacturer: Cathodic Rectifiers Inc.

Model: ACP

Serial #: 107030711

Rated DC output: 24 volts 15 amps Rectifier output as designed or lastly recommended (if available): _____ volts _____ amps

| Event | Date (mm/dd/yyyy) | Tap settings | | DC output | | Hour meter | Comments |
|------------|----------------------|--------------|------|-----------|------|------------|----------|
| | | Course | Fine | Volts | Amps | | |
| "As Found" | 8/7/2013 | C | 2 | 16.5 | 6.0 | | |
| "As Left" | 8/7/2013 | C | 2 | 16.5 | 6.0 | | |

*Note: if rectifier output settings are modified, a corrosion expert must be consulted first and approve the modifications by signing section 6***10. Impressed Current positive and negative circuit measurements (output amperage)**

Complete if the system is designed to allow such measurements (e.g., individual lead wires for each anode are installed and shuts are present).

| Circuit | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Total amps |
|---------------|---|---|---|---|---|---|---|---|---|----|------------|
| Anode (+) | | | | | | | | | | | |
| Tank/Pipe (-) | | | | | | | | | | | |

11. CP system repairs and/or modification informationDate of "failing" test: _____ Date of repair: _____ Repair company: _____
(mm/dd/yyyy) (mm/dd/yyyy)

Name of lead repair technician: _____ Phone # _____

Certification of repair technician (check all that apply): ☐ Steel Tank Institute ☐ NACE ☐ MPCA certified supervisor*Note: submit failing test results with this report***Description of repairs (check all that apply)**

- ☐ 1. Anodes for an impressed current system were added or replaced
- ☐ 2. Repair or replacement of anode header cables were needed
- ☐ 3. Continuity was established between all protected structures
- ☐ 4. Rectifier was repaired or replaced
- ☐ 5. Rectifier output was modified (explain in "remarks/other" below; CP expert to approve modifications by signing section 6).

*Repairs /modifications for 1-4 must be designed by a "corrosion expert". Attach corrosion experts design specifications.**Retests after repairs/modifications are made must be evaluated by the corrosion expert to assure the system is functioning properly (Section 6 must be signed by expert).*Remarks/Other: _____

_____**12. Impressed Current structure to soil potential survey**

- **Half Cell Placement (testing) on frozen soil, concrete, asphalt, or other paving materials is not acceptable**
- The half cell must be placed locally in the soil directly over the structure being tested. **A minimum of three half cell locations per tank, and three half cell locations per piping run** are required. The three locations must be as evenly distributed over the protected structure, and as far away from any active anode as practical. (Refer to the MPCA cathodic protection evaluation guidance document for detailed discussion of electrode placement.)
- When testing flex connectors in contact with an electrolyte, **one tests point is required for each flex connector** with the half cell placed locally in the soil directly over the flex connector being tested.
- Both "ON" and "Instant Off" potential readings are required at each half cell placement. Each half cell location must meet the "Instant Off" potential of -850 mV or more negative, or the 100 mV polarization criterion must be satisfied in order to pass.
- Check polarity (+/-) when taking readings and be sure to record them properly

Facility name: Federated Coop

Date of test (mm/dd/yyyy): 8/7/2013

(Note: The facility name and date of test will automatically populate from page one, if filed out electronically.)

Describe soil type(s) of local reference cell placements:

| Half cell site map code | Structure tested | Structure contact point | Reference cell placement | On voltage (mV) | Instant off voltage (mV) | Native/ depol (mV) | mV polarized | Pass/Fail/Inc |
|-------------------------|-------------------------------|----------------------------|--|-----------------------|--------------------------|----------------------|---------------------|-------------------|
| (example) 1 | (example) Tank 1 (premium) | (example) Tank bottom | (example) Soil @ Prem STP manway | (example) -1070 mV | (example) -875 mV | | | (example) Pass |
| (example) 2 | (example) Pipe 2 (diesel) | (example) Dispenser 7/8 | (example) Soil @ Diesel dispenser 7/8 | (example) -810 mV | (example) -680 mV | (example) -575 mV | (example) 105 mV | (example) Pass |
| 1 | TANK-1 PREM | TANK BOTTOM | SOIL OVER TANK | 1935 | 1200 | | | PASS |
| 2 | ↓ | ↓ | ↓ | 1714 | 1196 | | | ↓ |
| 3 | ↓ | ↓ | ↓ | 1603 | 896 | | | ↓ |
| 4 | TANK-2 PREM | ↓ | ↓ | 2036 | 984 | | | ↓ |
| 5 | ↓ | ↓ | ↓ | 1401 | 963 | | | ↓ |
| 6 | ↓ | ↓ | ↓ | 2040 | 1167 | | | ↓ |
| 7 | TANK-3 PREM | ↓ | ↓ | 1871 | 958 | | | ↓ |
| 8 | ↓ | ↓ | ↓ | 1215 | 891 | | | ↓ |
| 9 | ↓ | ↓ | ↓ | 2056 | 1037 | | | ↓ |
| 10 | TANK-4 DIESEL | ↓ | ↓ | 1433 | 874 | | | ↓ |
| 11 | ↓ | ↓ | ↓ | 1546 | 911 | | | ↓ |
| 12 | ↓ | ↓ | ↓ | 2016 | 933 | | | ↓ |
| 13 | TANK-5 PREM DIESEL | ↓ | ↓ | 2161 | 913 | | | ↓ |
| 14 | ↓ | ↓ | ↓ | 1995 | 917 | | | ↓ |
| 15 | ↓ | ↓ | ↓ | 2009 | 1248 | | | ↓ |
| 16 | PIPELINE | PIPE @ DIESEL | SOIL OVER PIPE | 1801 | 970 | | | ↓ |
| 17 | ↓ | ↓ | ↓ | 2152 | 1091 | | | ↓ |
| 18 | ↓ | ↓ | ↓ | 834 | 692 | 566 | 126 | ↓ |
| 19 | ↓ | ↓ | ↓ | 863 | 701 | 572 | 129 | ↓ |

COMMENTS:

Attach additional sheets as needed.

Date of test (mm/dd/yyyy): 8/7/2013

13. Impressed Current continuity survey (Point-to-Point Method)

- [illegible]

1. Describe the "other" metallic structure that you are attempting to demonstrate is continuous or isolated.

www.pca.state.mn.us • 651-296-6300 • 800-657-3864 • TTY 651-282-5332 or 800-657-3864 • Available in alternative formats
t-45-06 • 3/21/12

Facility name: Federated Coop

Date of test (mm/dd/yyyy): 8/7/2013

(Note: The facility name and date of test will automatically populate from page one, if filled out electronically.)

14. Description of UST system

| Tank/ Pipe # | Product | Capacity (Gallons) | Tank type ¹ | Piping type ² | Metal Segments at Tank sump ³ | Metal Segments at Dispenser ³ |
|-----------------|---------|-----------------------|------------------------|--------------------------|---|---|
| 1 | REG | 12000 | SW-STIP3 | SW-ST | BONDED TO IC | BONDED TO IC |
| 2 | SUPER | 10000 | ↓ | ↓ | ↓ | ↓ |
| 3 | PRE | 6000 | ↓ | ↓ | ↓ | ↓ |
| 4 | DSL#2 | 6000 | ↓ | ↓ | ↓ | ↓ |
| 5 | PRE DSL | 4000 | ↓ | ↓ | ↓ | ↓ |
| 6 | | | | | | |
| Ex: | Premium | 10,000 | SW Bare Steel | SW Fiberglass | Bonded to IC system | In Containment |

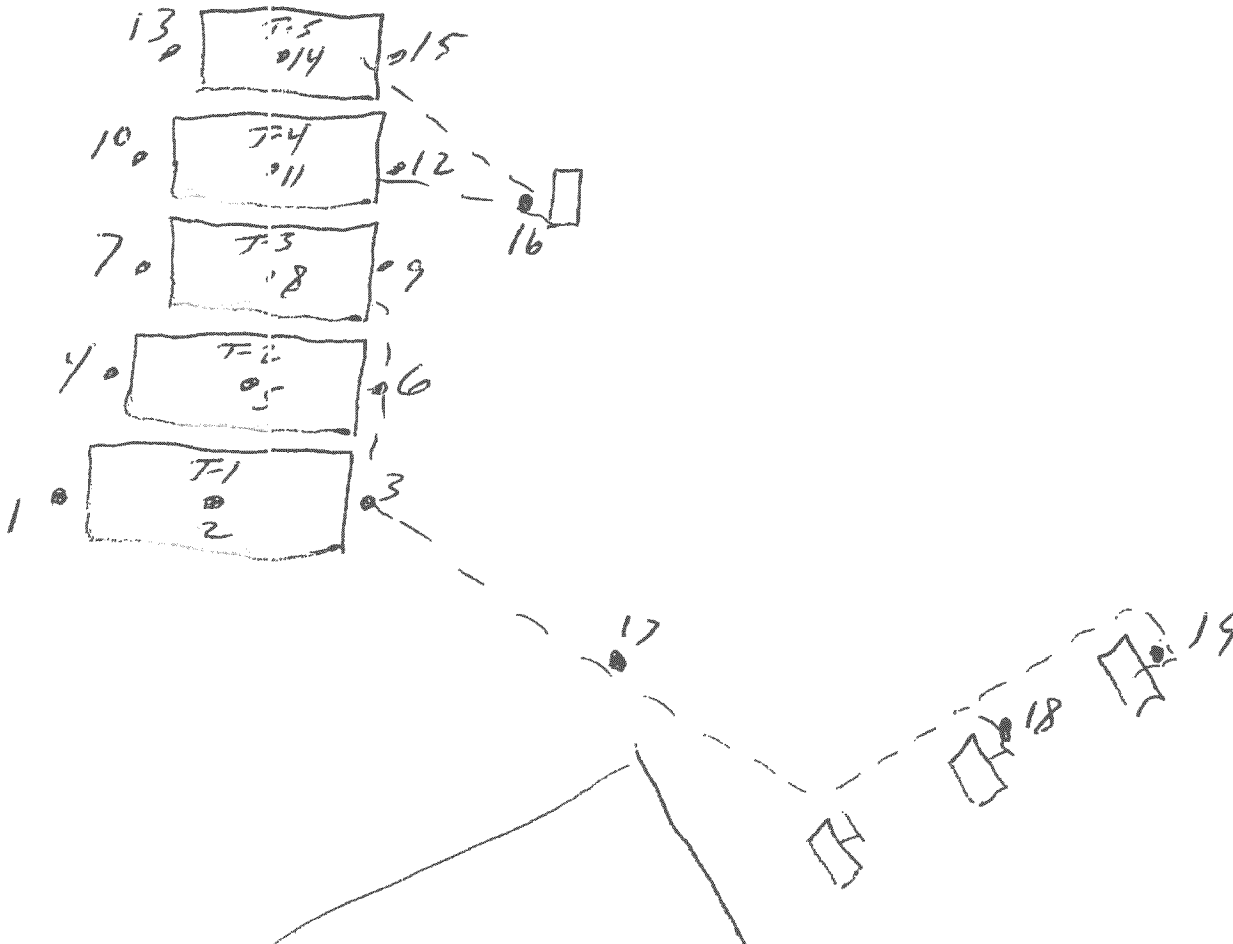
1. Indicate if tank is Double Wall (DW) or Single Wall (SW). Also indicate type (e.g., steel, fiberglass, sti-P₃[®], composite etc.). Also indicate if tank is compartmental if applicable
2. Indicate if piping is Double Wall (DW) or Single Wall (SW). Also indicate type (e.g., coated steel, fiberglass, galvanized, flex, etc.).
3. Indicate how metal segments such as flex connectors or metal pipe segments are protected from corrosion (e.g., isolated, booted, bonded, in containment, etc.)

15. UST facility site drawing

Attach detailed drawing or use the space provided to draw a sketch of the UST and CP systems. At a minimum you should indicate the following: All tanks, piping and dispensers; Location of anodes and wires if known; All buildings and streets; Location of CP test stations; Each reference cell placement must be indicated by a code (e.g., 1,2, T-1,) corresponding with the appropriate test in Section 12 of this form. If supplemental anodes are added to the tank system, indicate number, size, location and depth of the new anodes. An evaluation of the CP system is not complete without an acceptable site drawing.



[Indicate North Here]



MONTHLY RECTIFIER READING

[illegible]

Minnesota Petroleum Service

COPY

682 - 39th Ave North East
Columbia Heights, MN 55421
Phone (763)-780-5191 Fax (763)-780-5472
www.mnpetro.com

Scanned
96397

Mechanical / Electronic Leak Detection Certification

Location:

Federated Co-op / Isle

925 Hwy 47 S.

Isle

MN

56342

Work Order #: 21951

Testing Date: 08/07/13

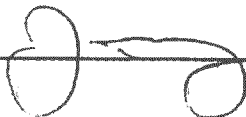
Ph. (320) 676-3103 Fx.

| Sump # | 1 | 2 | 3 | 4 |
|-----------------------|-------------|-------------|-------------|-------------|
| Product | Reg | Pre | Super | DSL#2 |
| Leak Detection Type | Veeder Root | Veeder Root | Veeder Root | Veeder Root |
| Model # | WPLLD | WPLLD | WPLLD | WPLLD |
| Opening Time | 0 | 0 | 0 | 0 |
| Operating Pressure | 26 | 25 | 25 | 28 |
| Check Valve Pressure | 20 | 21 | 22 | 20 |
| Meter Pressure | 0 | 0 | 0 | 0 |
| 3.0 GPH Leak Detected | Pass | Pass | Pass | Pass |

Notes

Technician Jon Eendorf

Technician Signature:



Date: 8/7/13

Minnesota Petroleum Service

682 - 39th Ave North East
Columbia Heights, MN 55421
Phone (763)-780-5191 Fax (763)-780-5472
www.mnpetro.com

96397

Mechanical / Electronic Leak Detection Certification

| | | | |
|------------------------|----------|---------------|----------|
| Location: | | Work Order #: | 21951 |
| Federatec Co-op / Isle | | Testing Date: | 08/07/13 |
| 925 Hwy 47 S. | | | |
| Isle | MN 56342 | | |
| Ph. (320) 676-3103 | | Fx. | |

| | | | | |
|-----------------------|-------------|--|--|--|
| Sump # | 5 | | | |
| Product | Pre DSL | | | |
| Leak Detection Type | Veeder Root | | | |
| Model # | WPLLD | | | |
| Opening Time | 0 | | | |
| Operating Pressure | 28 | | | |
| Check Valve Pressure | 21 | | | |
| Meter Pressure | 0 | | | |
| 3.0 GPH Leak Detected | Pass | | | |

Notes

| |
|--|
| |
|--|

Technician Jon Eendorf

Technician Signature: 

Date: 8/7/13

Scott Hansen

From: Don Kruschke [dkruschke@pump-meter.com]
Sent: Wednesday, May 30, 2012 4:02 PM
To: Scott Hansen
Cc: Bob Harrington
Subject: TLS350 programming

Hi Scott

I guess I have been out of the field to long!

I talked to my senior tech and it is not possible to program the TLS350 to automatically print the ELLD monthly test results

It has to be done manually at the console but it is pretty easy using the steps listed below.

TO PRINT ALL PLLD TEST RESULTS :

In the Operating mode,

Press **Function** until you see the display below:

PRESSURE LINE RESULTS

PRESS <STEP> TO CONTINUE

then press **Print**:

I believe the guys are going to be doing the ELLD test this week they should have contacted you

Sorry about the miss information on the TLS350 auto printing I asked the tech's to show the manager how to do it

Thanks

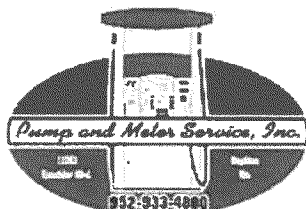
Don Kruschke

Pump and Meter Service, Inc | Service Manager

www.pump-meter.com

O: 952.215.0627 | C: 612.363.2189 | F: 952.939.0418

Twitter: @pumpandmeter



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